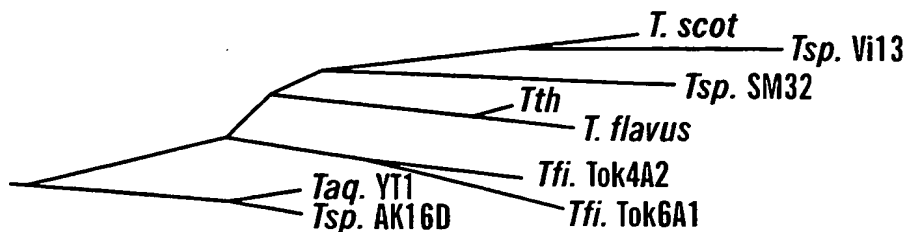


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**FIG. 1A**

113 YTVERKVDGLSVNLYYE	129.....	231 LEE ...	TG 239.....	285 PFEADGVVVKLD	296	Tsp. AK16D
YTVEHKVDGLSVNLYYE	.....	LEE ...	TG	PFEADGVVVKLD		Taq. YT1
YTVEHKVDGLSVNLYYE	.....	LEEVEG	.....	PFEADGVVVKLD		Tth
YTVEHKVDGLSVNLYYE	.....	LEEVEG	.....	PFEADGVVVKLD		T. flavus
YTVEHKVDGLSVNLYYE	.....	LEE ...	SG	PFEADGVVVKMD		Tfi. Tok4A2
YTVEHKVDGLSVNLYYE	.....	LEE ...	SG	PFEADGVVVKLD		Tfi. Tok6A1
YTVEHKVDGLSVNLYYE	.....	LEE ...	SG	PFEADGVVVKLD		Tsp. SM32
YTVEHKVDGLSVNLYYE	.....	LEE ...	SG	PFEADGVVVKLD		Tsp. Vi13
YTVEHKVDGLSVNLYYE	.....	LEE ...	SG	PFEADGVVVKLD		T. scot

FIG. 1B

MTLEEARRRVNELRDLIRYHNYLYYVLDAP EISDAEYDRLLRELKELEERFPPELKSPDSP	60
TEQVGARPLEATFRPVRHPTRMYSLDNFSLDEVRAFEERIERALGRKGPFLYTVERKVD	120
GLSVNLYYEEGILVFGATRGDGETGEEVTQNLLTIPTIPRRLTGVPDRLEVRGEVYMPIE	180
AFLRLNQEELEAGERIFKNPRNAAAGSLRQKDPRTARRGLRATFYALGLGLEETGLKSQ	240
HDLLLWLRERGFVVEHGFTRALGAEGVEEVYQAWLKERRKLPFEADGVVVKLDDDLALWRE	300
LGYTARTPRFALAYKFPAAEEKETRLLSVAFQVGRITPVGVLPEPVFIEGSEVSRVTLH	360
NESFIEELDVRIGDWLVVHKAGGVIPVLRVLKERRTGEEKPIIWPENCPECGHALIKEG	420
KVHRCPNPLCPAKRFEAIRHYASRKAMDIQGLGEKLEKLEKGLVRDVADLYRLKKEDL	480
VNLERMGEKSAENLLRQIEESKGRGLERLLYALGLPGVGEVLARNLALRFGHMDRLLEAG	540
LEDLLEVEGVGELTARAILNTLKDPEFRDLVRLKEAGVEMEAKEREGEALKGLTFVITG	600
ELSRPREEVKALLRRLGAKVTDVSRKTSFLVVGENPGSKLEKARALGVPTLSEEELYRL	660
IEERTGKDPRALTA	674

FIG. 1C

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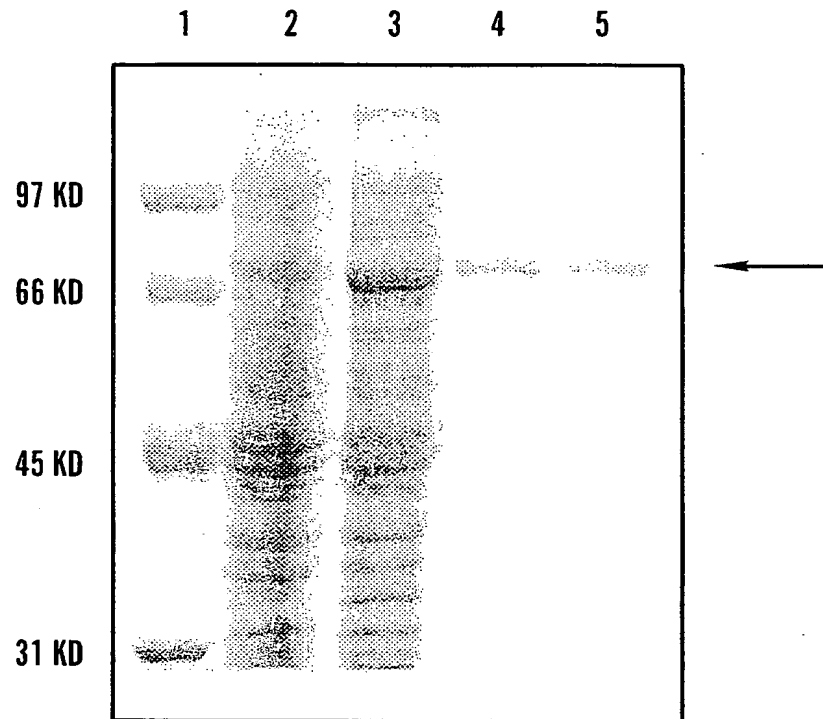
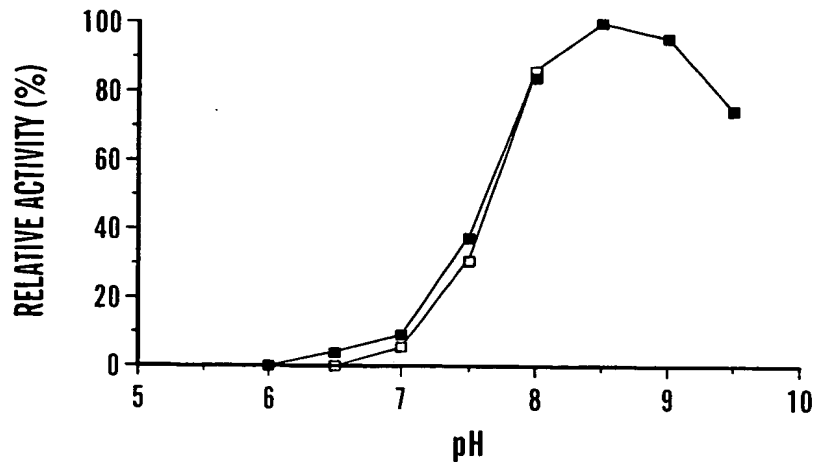
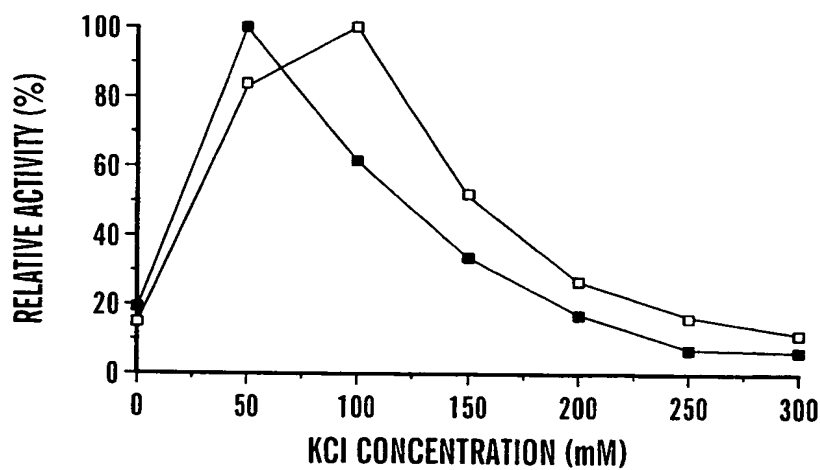
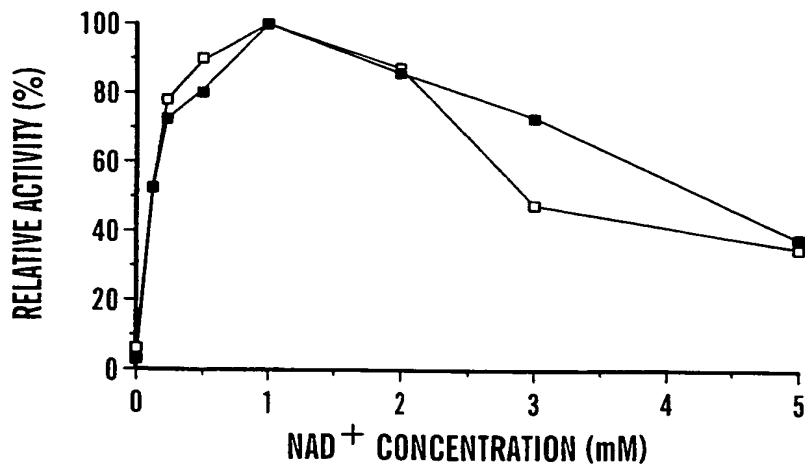


FIG. 2

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**FIG. 3A****FIG. 3B****FIG. 3C**

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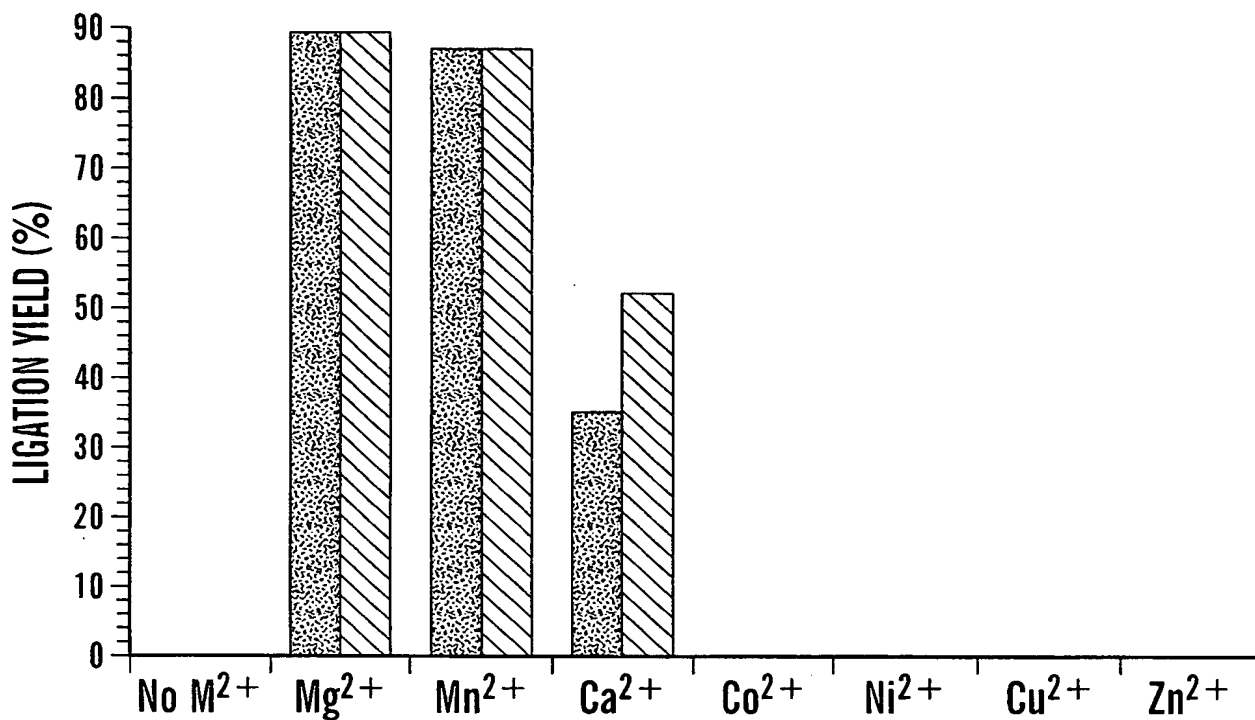


FIG. 4A

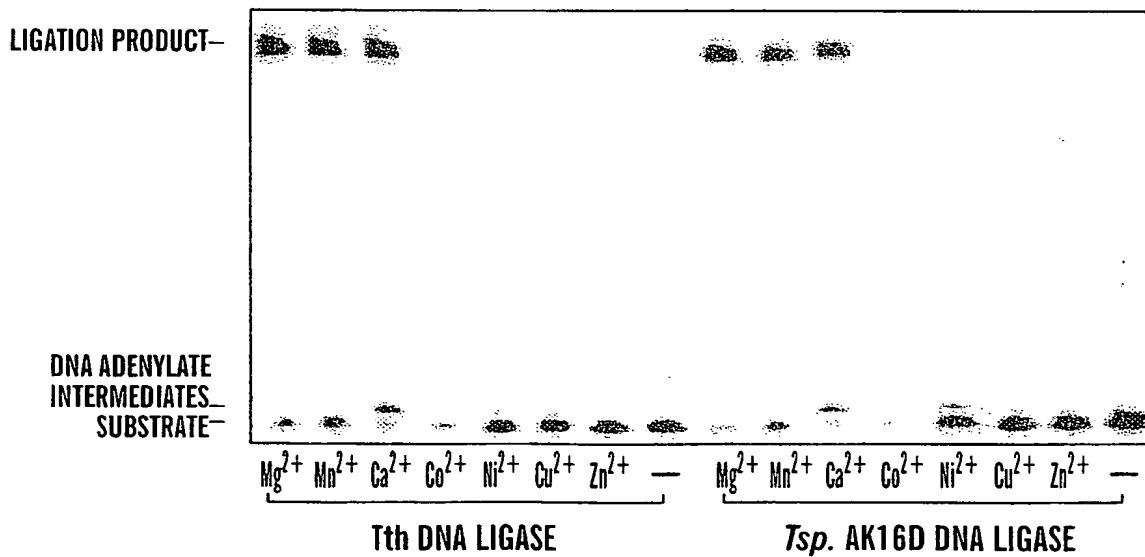


FIG. 4B

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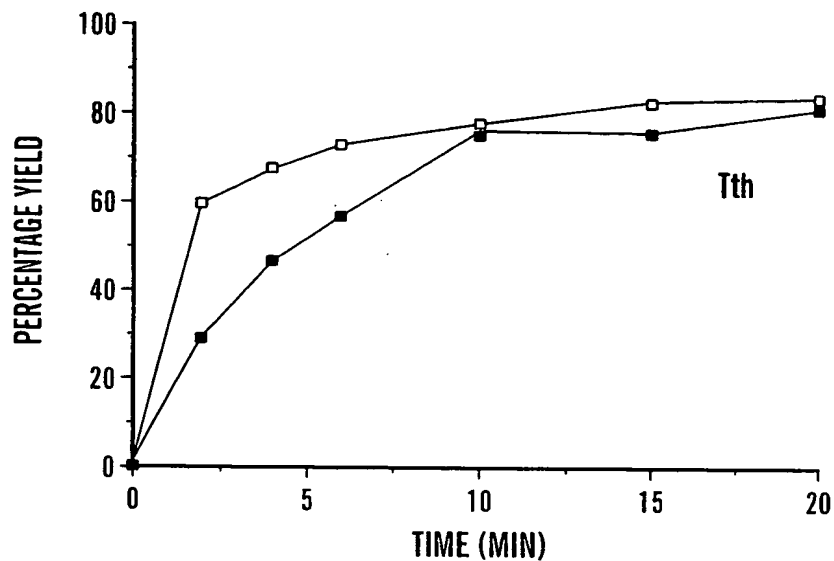


FIG. 5A

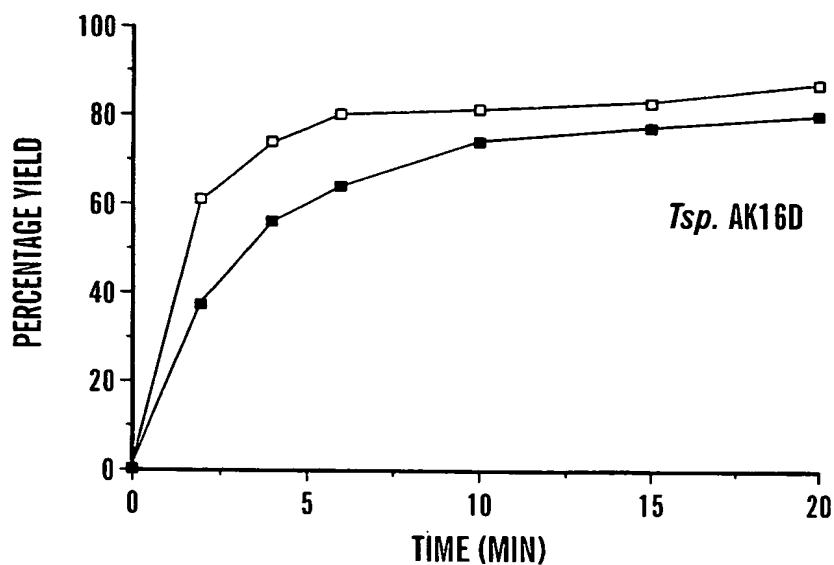
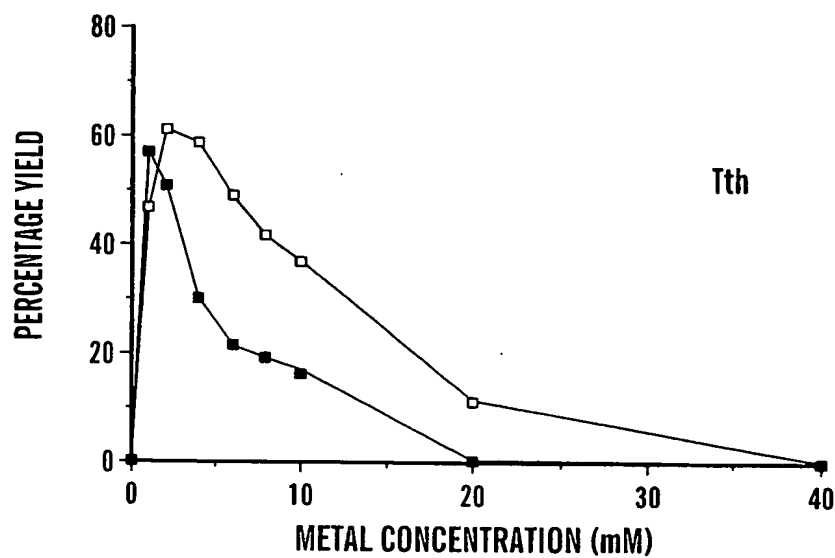
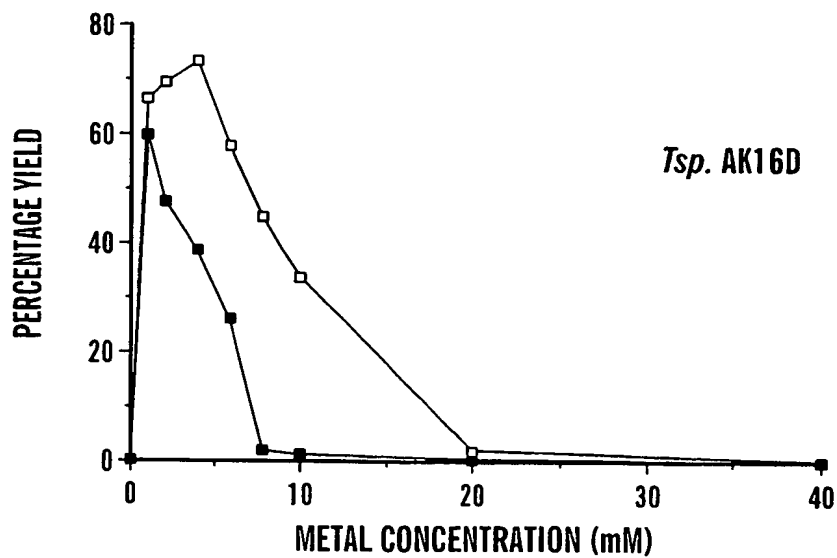


FIG. 5B

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**FIG. 6A****FIG. 6B**

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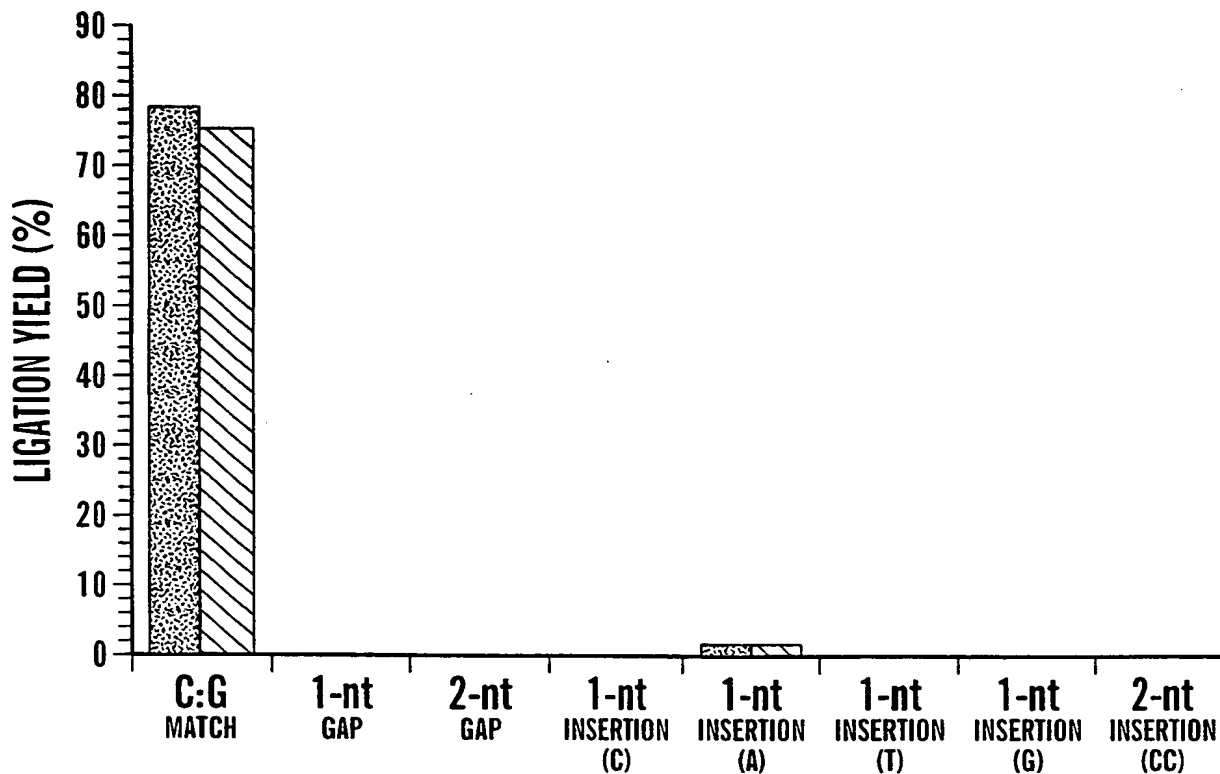


FIG. 7A

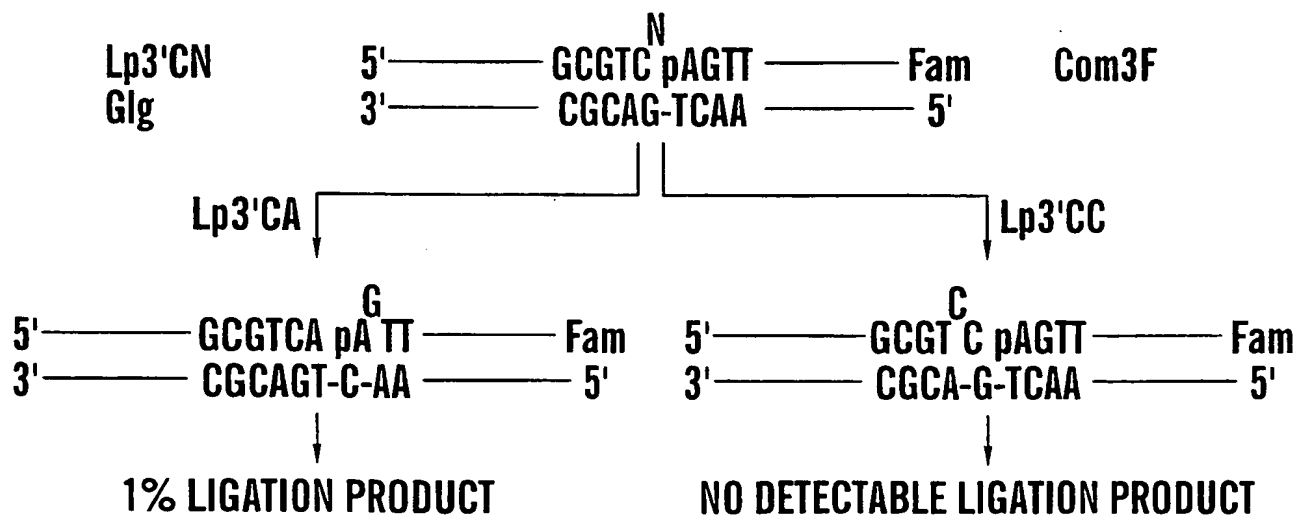


FIG. 7B